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VEGETABLE CROP UPDATE

VINE CROPS EDITION

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Downy Mildew Update

We have had a confirmed case of downy mildew in a Kent County cucumber field near Wallaceburg. We have also had two new cases in cucumbers in Elgin County, near Aylmer and Dutton. All of these fields have been on a strong preventative program, and the level of infection is very low. Rob Grohs and Dr. Sean Westerveld have also reported that there is downy mildew present in the cucumber fungicide efficacy trials at the U or G Simcoe Research Station.

In the past few days there have also been several new reports south of the border. Michigan now has confirmed downy mildew in Saginaw, Bay County, Arenac and Tuscola. New York State is also reporting infection in cucumbers in the counties of Orleans and Munroe.



Recent Infection on Cucumber Leaf



Early Symptoms of Downy Mildew on Cucumber

The heavy dews and cool night-time temperatures significantly increase the risk of infection. All cucumber fields should be on a 5 to 7 day preventative program. **Use only downy mildew targeted fungicides.** Other fungicides and remedies do not offer the same level of protection as Ranman, Tattoo C and Tanos. All three of these products provide an equal level of protection. Bravo applied on its own will not supply sufficient control under high disease pressure.

For the best level of control rotate to a different product each time you spray. If downy mildew is present in the field, use the shorter spray interval.

Pumpkin, squash and melon growers should follow a 7 to 10 day spray interval, using a variety of broad spectrum products. Powdery mildew control is usually most important during the early part of August.

Product	Rate per acre	Chemical Group	PHI	Diseases Controlled
Downy Mildew Targeted Fungicides				
Ranman 400 SC	62-83 mL	21	1 day	Downy Mildew
Tattoo C	0.72-1.1 L	28/M	2 days	Downy Mildew, Powdery Mildew, Scab and Anthracnose
Tanos 50 DF	224 g	11/27	3 days	Downy Mildew
Broadpectrum Fungicides				
Bravo	1.9 L	M	1 day	Downy Mildew, Powdery Mildew, Scab and Anthracnose
Cabrio	224-336 g	11	3 days	Powdery Mildew, Alternaria, and Anthracnose
mancozeb	0.44-1.3 kg	M	14 days	Downy Mildew, Alternaria, Scab, Anthracnose and Gummy Stem Blight
Lance	184 g	7	0	Gummy Stem Blight and Alternaria
Copper	various	M	1	Angular Leaf Spot

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